

AMENDMENTS TO THE CLAIMS

Amended claims follow:

1. (Currently Amended) A method of capturing and selectively analyzing data frames transmitted between stations in a communications network utilizing tunneling protocols, comprising:

establishing a connection with a communications network;

receiving, in real-time, data frames transmitted in the communications network, wherein the data frames are communicated utilizing tunneling; and

analyzing the data frames that are communicated utilizing tunneling;

wherein the analyzing is conditionally performed for one or more types of tunnels associated with the tunneling.

2. (Original) The method as recited in claim 1, wherein the tunneling involves a tunnel.

3. (Original) The method as recited in claim 2, wherein the tunnel includes an Internet Protocol (IP) tunnel.

4. (Original) The method as recited in claim 2, wherein the tunnel includes a General Packet Radio Service (GPRS) Tunnel Protocol (GTP) tunnel.

5. (Original) The method as recited in claim 2, wherein the tunnel includes a Generic Routing Encapsulation (GRE) tunnel.

6. (Cancelled)

7. (Currently Amended) The method as recited in claim ~~[[6]]~~1, wherein the analyzing is conditionally performed based on user input.

8. (Cancelled)

9. (Currently Amended) The method as recited in claim [[8]]1, wherein the analyzing is conditionally performed for the one or more types of tunnels associated with the tunneling based on user input.

10. (Original) The method as recited in claim 1, wherein the analyzing includes executing a plurality of protocol interpreters.

11. (Currently Amended) The method as recited in claim 10, wherein the plurality of protocol interpreters include an Internet Protocol (IP) protocol interpreter.

12. (Original) The method as recited in claim 11, wherein the IP protocol interpreter is re-executed to accommodate the tunneling.

13. (Currently Amended) The method as recited in claim 10, wherein the plurality of protocol interpreters generate at least one object.

14. (Currently Amended) A computer program product embodied on a computer readable medium of capturing and selectively analyzing data frames transmitted between stations in a communications network utilizing tunneling protocols, comprising:

computer code for establishing a connection with a communications network;

computer code for receiving, in real-time, data frames transmitted in the communications network, wherein the data frames are communicated utilizing tunneling;
and

computer code for analyzing the data frames that are communicated utilizing tunneling;

wherein the analyzing is conditionally performed for one or more types of tunnels associated with the tunneling.

15. (Original) The computer program product as recited in claim 14, wherein the tunneling involves a tunnel.

16. (Original) The computer program product as recited in claim 15, wherein the tunnel includes an Internet Protocol (IP) tunnel.

17. (Original) The computer program product as recited in claim 15, wherein the tunnel includes a General Packet Radio Service (GPRS) Tunnel Protocol (GTP) tunnel.

18. (Original) The computer program product as recited in claim 15, wherein the tunnel includes a Generic Routing Encapsulation (GRE) tunnel.

19. (Cancelled)

20. (Currently Amended) The computer program product as recited in claim [[19]]14, wherein the analyzing is conditionally performed based on user input.

21. (Cancelled)

22. (Currently Amended) The computer program product as recited in claim [[21]]14, wherein the analyzing is conditionally performed for the one or more types of tunnels associated with the tunneling based on user input.

23. (Original) The computer program product as recited in claim 14, wherein the analyzing includes executing a plurality of protocol interpreters.

24. (Currently Amended) The computer program product as recited in claim 23, wherein the plurality of protocol interpreters include an Internet Protocol (IP) protocol interpreter.

25. (Original) The computer program product as recited in claim 24, wherein the IP protocol interpreter is re-executed to accommodate the tunneling.

26. (Currently Amended) The computer program product as recited in claim 23, wherein the plurality of protocol interpreters generate at least one object.

27. (Original) The computer program product as recited in claim 26, wherein statistics associated with the objects are displayed via a user interface.

28. (Currently Amended) A computer-implemented system for capturing and selectively analyzing data frames transmitted between stations in a communications network utilizing tunneling protocols, comprising:

a network analyzer coupled to a communications network for receiving, in real-time, data frames transmitted in the communications network, the data frames being communicated utilizing tunneling, wherein the data frames that are communicated utilizing tunneling are analyzed, the analysis conditionally performed for one or more types of tunnels associated with the tunneling.

29. (Currently Amended) A graphical user interface for selective enabling the analysis of communications network utilizing tunneling protocols, comprising:

a user interface for receiving input from a user;

enabling a tunnel analysis based on the user input;

wherein the tunnel analysis includes analyzing data frames that are communicated utilizing tunneling;

wherein the analyzing is conditionally performed for one or more types of tunnels associated with the tunneling.

30. (Cancelled)

31. (New) The method as recited in claim 13, wherein statistics and diagnosed failure conditions associated with the at least one object are displayed via a user interface.

32. (New) The method as recited in claim 10, wherein multiple objects generated by the plurality of protocol interpreters are linked to logically portray a relationship between endpoints of a tunnel and stations conversing inside the tunnel.

33. (New) The method as recited in claim 13, wherein adverse conditions for the at least one object are diagnosed and presented in a detailed screen associated with the at least one object.